

II. CLAIM AMENDMENTS

1. - 15. (Cancelled)

16. (Currently Amended) A method for determining optical characteristics of a substrate to be printed on and adjusting color components of a desired color to compensate for said optical characteristics, the method comprising:

determining optical characteristics of a desired color including a target transmission spectrum of a printable ink layer of the desired color;

determining optical characteristics of the substrate to be printed on; and

comparing the optical characteristics of the desired color and the optical characteristics of the substrate to be printed on; and

adjusting the color components of the desired color by selecting fractional amounts of primary colors according to printed color masses per unit area relations of the primary colors; and

combining the selected fractional amounts of primary colors into the desired color to compensate for said optical characteristics of the substrate to be printed on.

17. (Previously Presented) A method as in claim 16 wherein determining the optical characteristics for the desired color further comprises determining the reflection spectrum of the desired color.

18. (Previously Presented) A method as in claim 16 wherein determining optical characteristics of the substrate to be printed on further comprises:

determining the reflection spectrum of the substrate to be printed on; and

determining the average front surface reflection of the substrate to be printed on.

19. - 23. (Cancelled)